



## PATENT ABSTRACTS OF JAPAN

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## (54) LIGHT EMITTING DIODE

(57) Abstract:

**PURPOSE:** To provide a light emitting diode that emits light with the spectrum of wavelength that correspond to two kinds or more colors.

**CONSTITUTION:** An active layer 18 of a light emitting diode comprises a first and a second quantum well 36a and 36b that corresponding to the different wavelength of emitted light with the different film thickness of well layers 32a to 32k, so that in the active layer 18, the light of wavelength that correspond to the quantum wells of 36a and 36b are emitted and the light of wavelength that correspond to the two different colors are included. The light emitting diode, that is provided with the light emission spectrum with two independent peaks, is obtained.

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